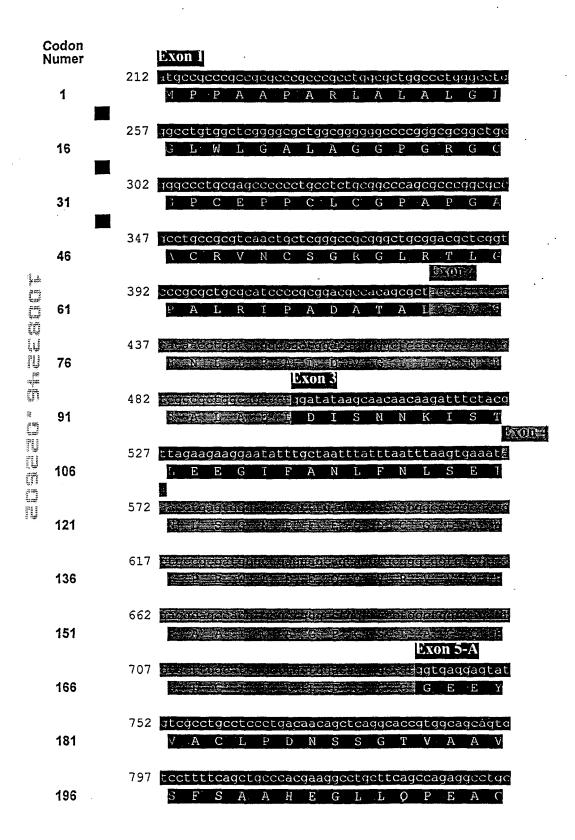
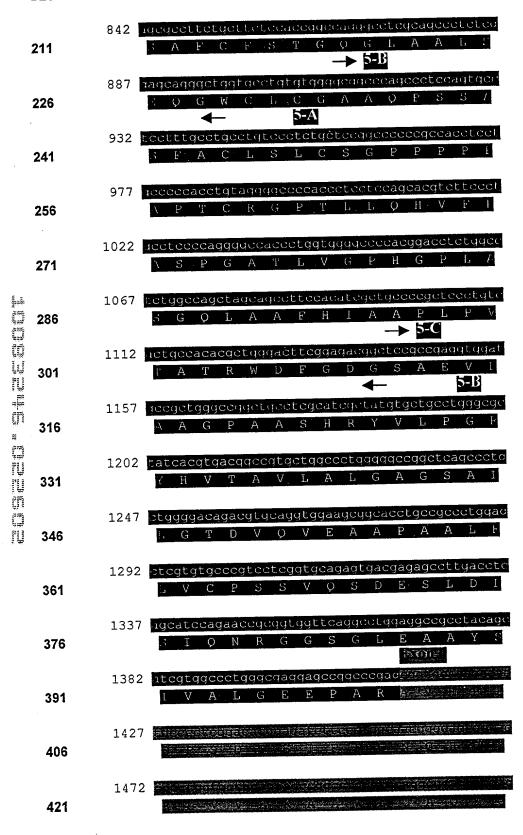
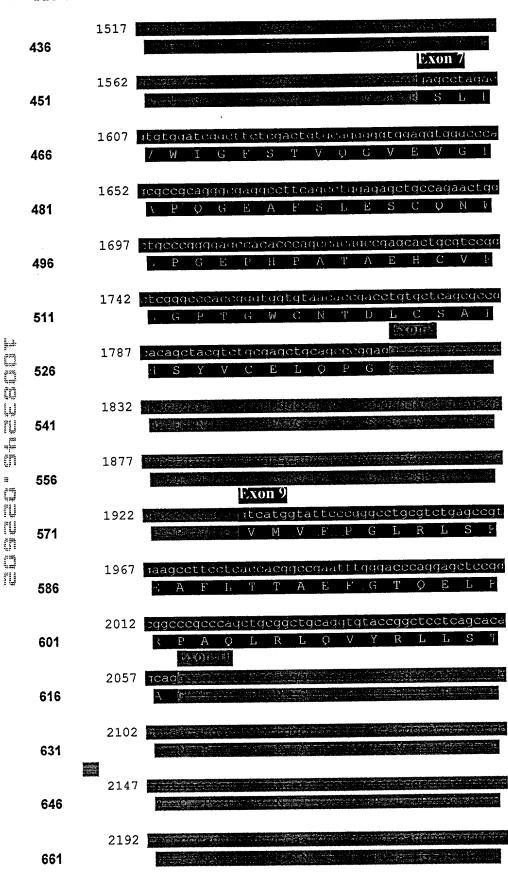
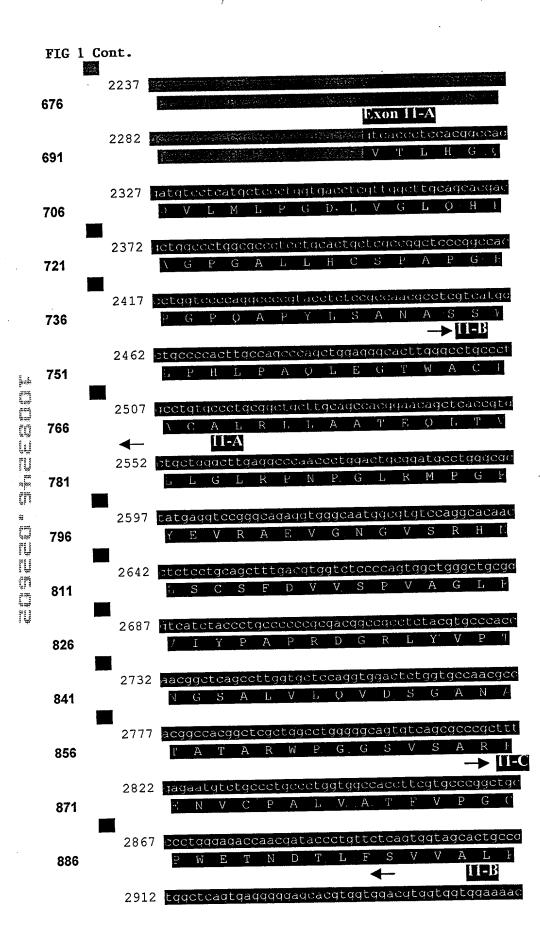
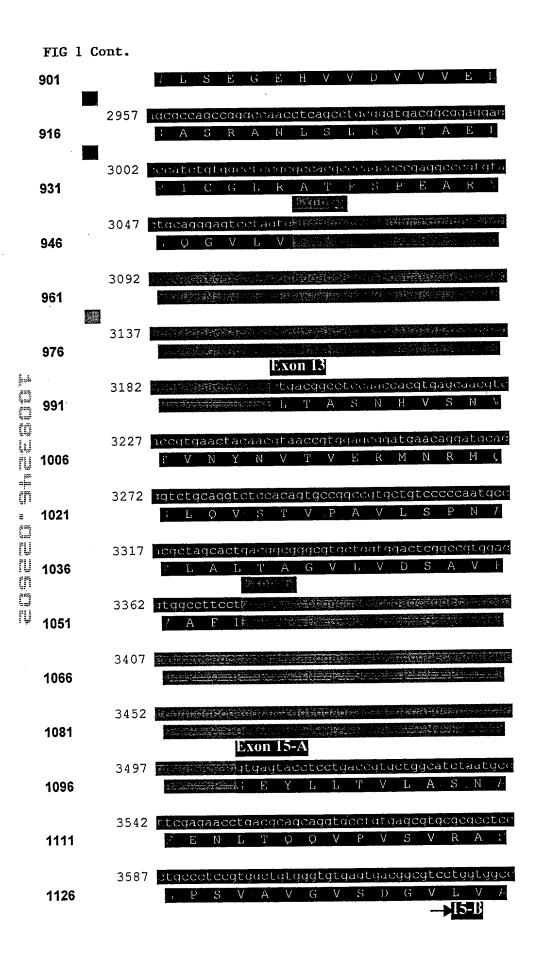
Figure 1.

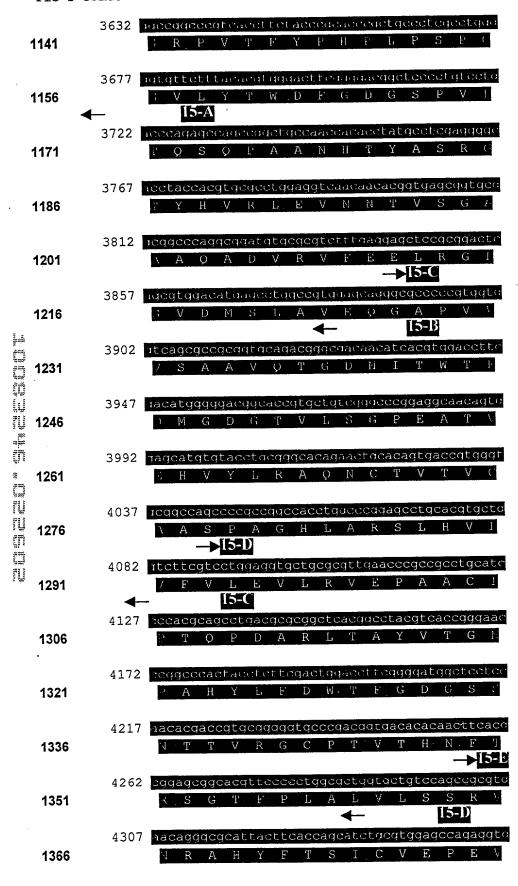


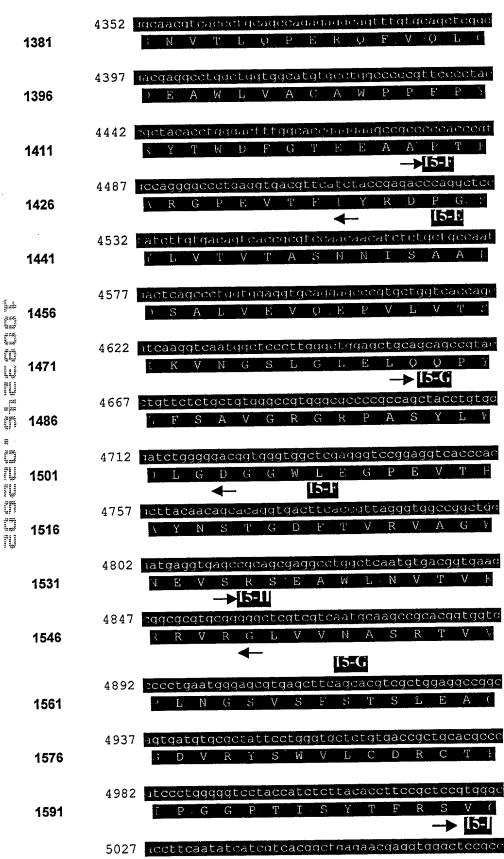




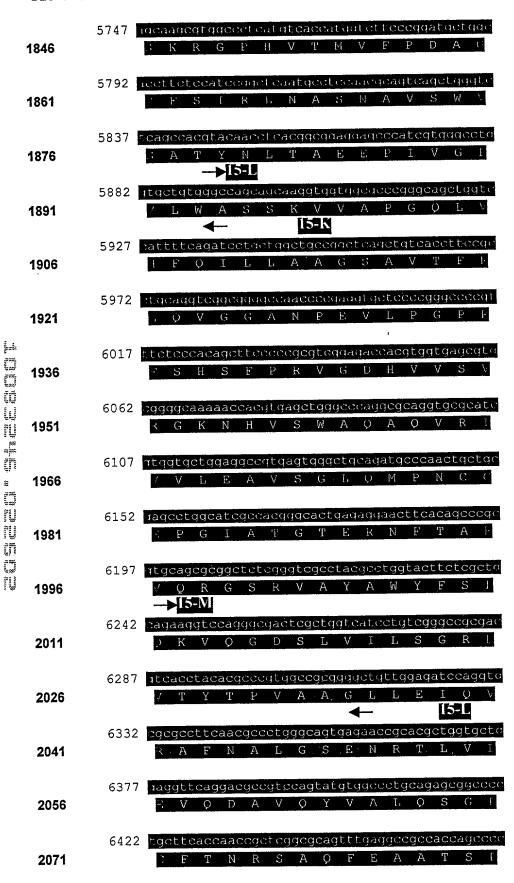


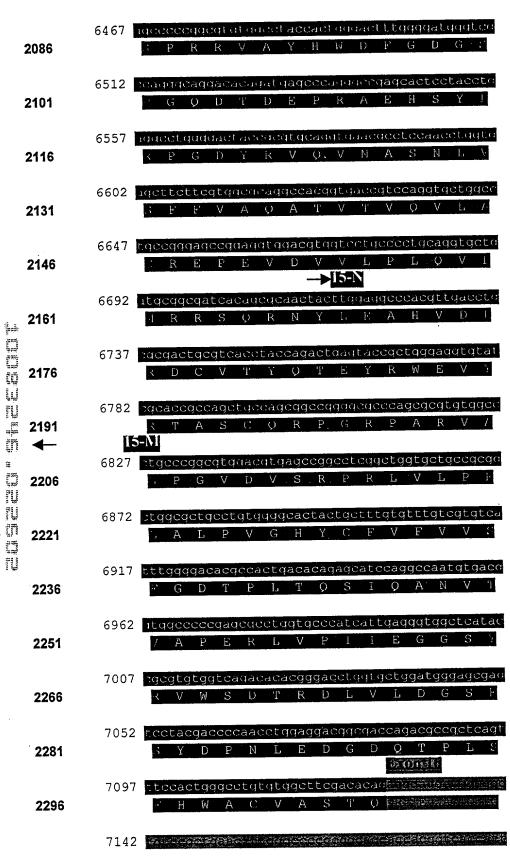


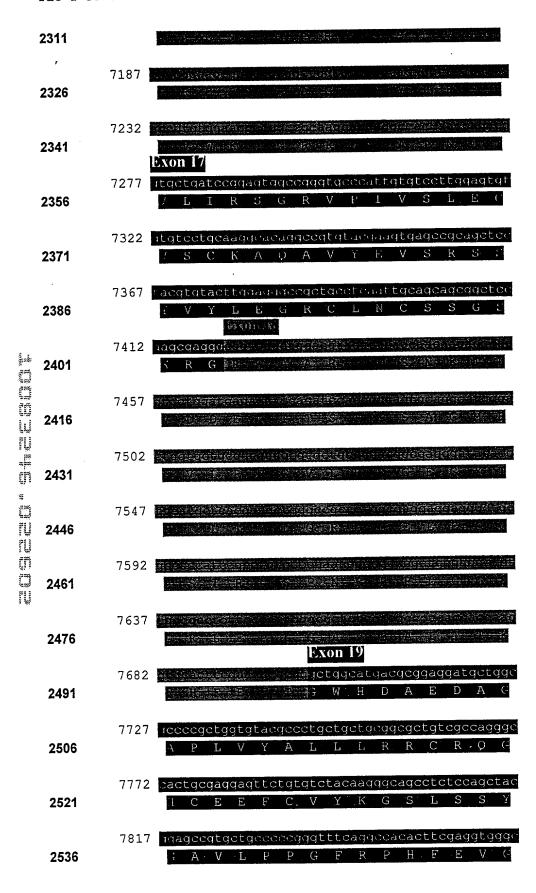




1831







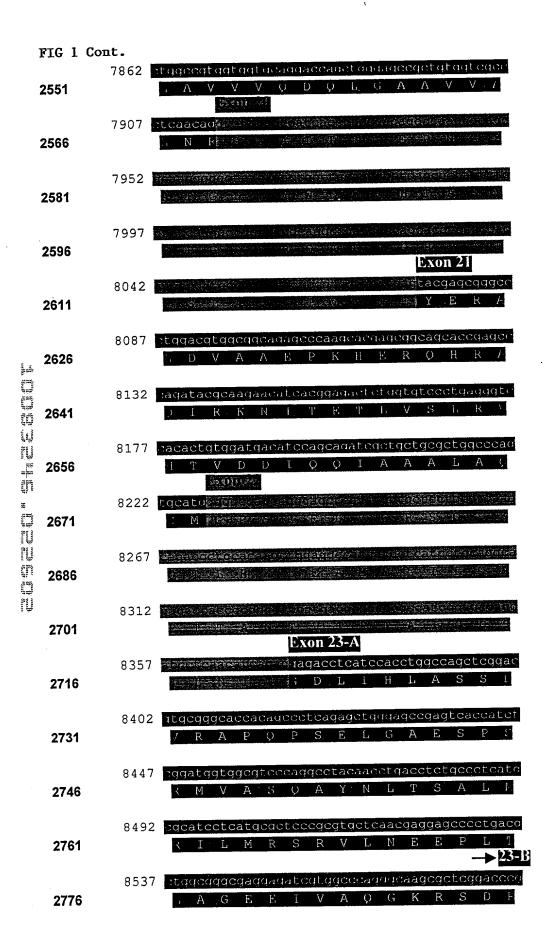


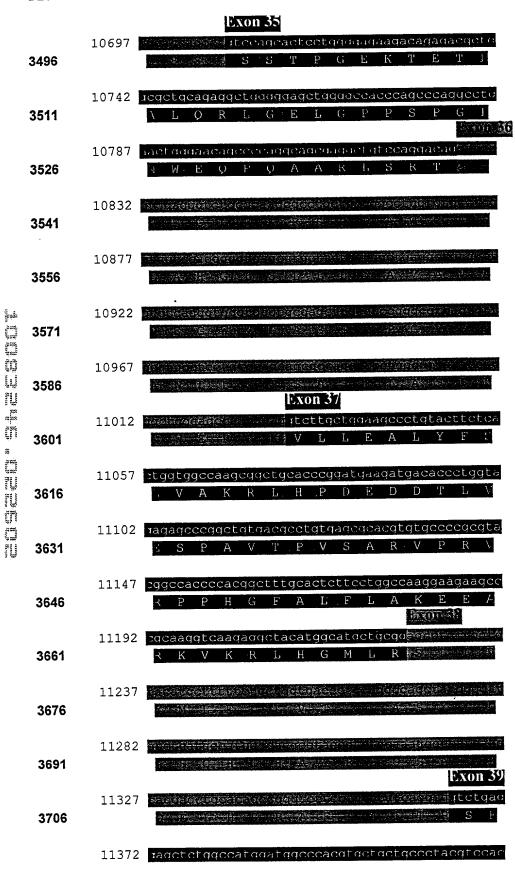
FIG 1 Cont. 8582 squageotqctqtqcfatqqcqqcqccccaqqqcctqqctqccac 2791 8627 rtetecateceeqaqqettteaqeqqqqeetqqceaaceteaqt 2806 8672 macgtggtgcagetcalctttctggtggactccaatecetttee 2821 8717 Lttggctatatcaqcaactacaccqtcrccaccaaggtggcctcc 2836 8762 atggeattecagacacaggeoggegeecagatececategagege 2851 2866 Hand Hand Start and there I have 8852 lactoggetgeecooggecaccgeageteegeeaacteegeeaac 2881 8897 tccgttgtggtccagcccaggcctccgtcggtgctgtggtcacc 2896 The Can B. H 8942 Stggacagcagcaaccotgcggccgggctgcatctgcagctcaac 2911 Smile The first way 8987 tatacgctgctggaco 2926 9032 2941 2956 9122 2971 9167 racccageggggagttaccatetgaacetetecagecactteege 2986 9212 tggtcggcgctgcaggtgtccgtgggcctgtacacgtccctgtgc 3001 S.A.L Q V S

9257 saglact teagegagagagagat gil qi qiçigacagaggiqict g

9932 recettttgegetteeqqegectqetaqtqqctgagetgeageqt

FIG 1 Cont. 9977 igettetttgacaageaeatetggeteteeatatgggaceggeed 3256 10022 octogragocqtttcactcqcatccadadqqccacctqctqcqtt RSRFTRI 3271 10067 :tcctcatctgcctcttcctgggcgccaacgccgtgtggtacggc G A N A 3286 10112 retgttggegaetetgeetacade 3301 10157 3316 10202 3331 Exon 31 14 itygctgggayecegagcccacacctgce Hand then then the state of the 3346 10292 aggcagcaggtgetggacatcgacagetgcctggactcgtccgtd 3361 QQVLDID. ે લાત કે? 10337 otggacageteetteeteacgtteteagqeetecacgetgao 3376 3391 Exon 33 Z 10427 mtctggtgtgctggccctccggcqagggaacgctcagttggccc 3406 10472 racetgetcagtgaccegtecattgtgggtageaatetgeggeag D P S 3421 10517 ctggcacggggccaggcgggccatgggctgggcccagaggaggac A R G Q A G 3436 10562 agettetecetggceagecectactegcetgccaaatecttetea F S L A S 3451 Sentite Co. 10607 reateagh 3466 10652

3481



	3721		: L W	P W	M A	H V	L L	PΥ	V 1
	3736	11417	nggaaccag ; N Q	teeage S S	Cadage P E	etagaa L G	P P.	eggetyc R L	ggdad R Ç
	3751	11462	itgeggetg / R L	caqqaac Q F	1000000				
	3766	11507							
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	3811	11642	idegtgtat A V Y	D S	G G	Υ·V	Ų E	L G	L S
	3826	11732	; E E	S R	D R	L R	F' L	O L	H 1.
	3841	11777	V L D				X.		
1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1	3856	11822							
	3871	11867							ostosia.
	3886	11912		Exon 4	_	jetatt	caccgt	geactte	geegte
	3901	11957	iccgagge	V C	L L	L F			A V
	3916	12002	A E A		W H	R E			·V I Jacggeo
	3931	12047	∢ L G		A. R		L V actagg		T A
	3946		·\ T · A			•		A A	D F

4186

}

4291

FIG 1 Cont.

# 4201 12812 12857 4216 12902 4231 12947 4246 12992 4261 13037

13082

#### Exon 1—Homolog 1

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Sbjct:	16824		16883
			•
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#### Stretch of Exon 6-Homolog 1

_		tcgttcccaccggtctccagcggtgcacccgctctgcccctcggacacggagatcttccc 2	
		tggcaacgggcactgctaccgcctggtggtggagaaggcggcctggctgcaggcgcagga 2	
Query:	21709	StuI gcagtgtcaggcctgggccgccctggcaatggtggacagtcccgccgtgcagcg 2	21768
		Stretch of Exon 6-Homolog 2	
· ·		tegtteceaceggtetecageggtgeaceegetetgeceeteggacacggagatettece 2	
Sbjct: Query:	63611 21649	tegtteceaceggtetecageggtgeaceegetetgeceeteggacacggagatettece 2	63670 21,708
Sbjct: Query: Sbjct:	63611 21649 63671	tegtteceaceggtetecageggtgeaceegetetgeceeteggacacggagatettece 2	63670 21708 63730

#### Stretch of Exon 10-Homolog 1

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		gttcctcttctccgttcccgcggggcccccgcgcagtactcggtgtgtggccctgacct 2	
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		Stretch of Exon 10-Homolog 2	
		Stretch of Exon 10—Homolog 2  aaatcagggccccaacaccctccctctcacagggaccccggagaacggcagcgagcct 2	
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Sbjct: Query: Sbjct: Query:	65 628 23 682 65 688 23742	aaateagggcccaacacctccctcatcacagggacccggagaacggcagcgagcct 2	3741 3747 3801
Sbjct: Query: Sbjct: Query: Sbjct:	65628 23682 65688 23742 65748	aaatcagggcccaacacctccctctcacagggacccggagaacggcagcgagcct 2	3741 3747 3801 5806 3860
Sbjct: Query: Sbjct: Query: Sbjct: Query: Sbjct:	65628 23682 65688 23742 65748 23802 65807	aaatcagggcccaacacctccctctcacagggacccggagaacggcagcgagcct 2	3741 3747 3801 5806 3860 5866 3920

# Exon 11-Homolog 1

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_			
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# Exon 11—Homolog 2

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# Exon 15-Homolog 1

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Sbjct:	29841		

#### Exon 15—Homolog 2

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		ggtgagcggtgcggcccaggcggatgtgcgcgtctttgaggagctccgcggactcag	27758 69805
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Sbjct:	69806	
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	ttggggacacgccactgacacagagcatccaggccaatgtgacggtggcccccgagcgcc ;	
	tggtgcccatcattgagggtggctcataccgcgtgtggtcagacacacgggacctggtgc 3	
	tggatgggagcgagtcctacgaccccaacctggaggacggcgaccagacgccgctcagtt 3	
	tccactgggcctgtgtggcttcgacacaggtcagtgcgtggcagggccgtcctccatgcc 3	
	cctcacccgtccacacccatgagcccagagaacacccagcttgccaccagggctggcccg 3	

# Exon 16-Homolog 2

Query:	31176	gggccgggctctgctttaaaactggatggggctctcaggccacgtcgccccttgttctcg	31235
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Query:	31236	gcctgcagagggaggctggcgggtgtgcgctgaactttgggccccgcgggagcagcacgg	31295
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Sbjct:	73342		73401
Query:	31356	ggaaggccgccgcaaggaggaggccaccaaccagacggtgggtg	31415
Sbjct:	73402		73461

# Exon 20-Homolog 1

1111111111			
1111111			
42 taggtet <b>e</b> t	ggccatcaccctcccagagcccaacg	gcagcgcaatggggctcacagtctg	31401
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02 gctgcac <b>g</b> g	geteacegetagtgtgetecegggge XmaI	tgctgcggcaggccgatccccagct	31461
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#### Exon 20-Homolog 2

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# Exon 22-Homolog 1

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Sbjct:	32936	cagcatecteaacateacaggtgeegeggeeegtgeeccaegeeacegeeegeee 329	992

# Exon 22-Homolog 2

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# Exon 23-Homolog 1

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# Exon 23-Homolog 2

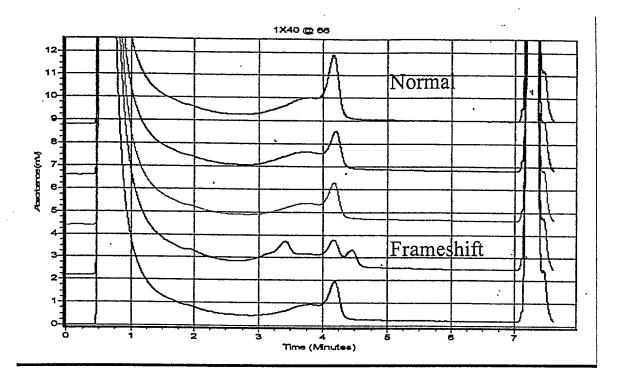
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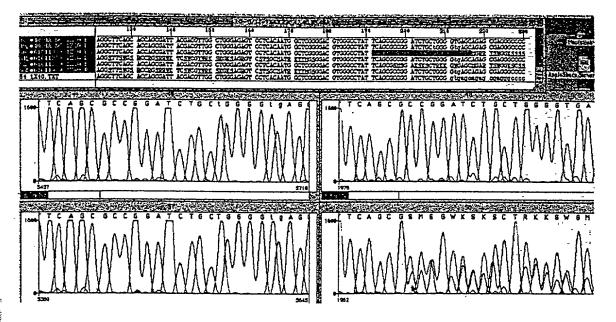
## Exon 29 and 30-Homolog 1

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Sbjct	: 37328		37387
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;	Sbjct: 3	37748 ggccgccactttccagtgctgcagccagagggaaaggcgtccaccaaaggctgctc	ggga 37807

## Exon 29 and 30-Homolog 2

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_	ttggcgactctgcctacaggtgggtgccgtaggggtcggggcagcctcttcctgcccagc	
· -	ccttcctgcccctcagcctcacctgtgtggcctcctctcctccacacagcacggggcatg	41834 80919
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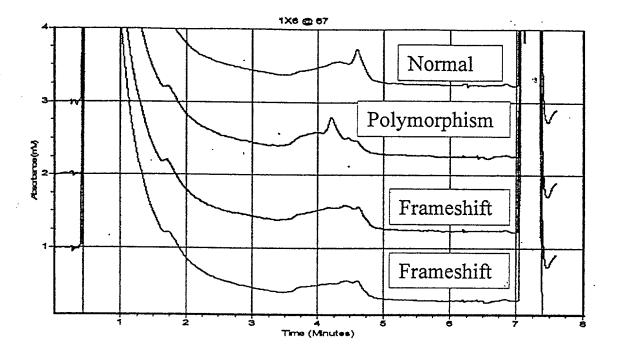
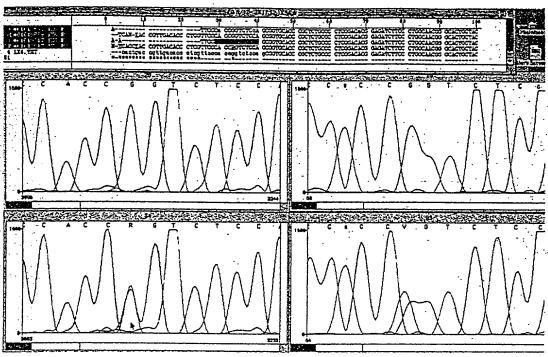


FIG 6



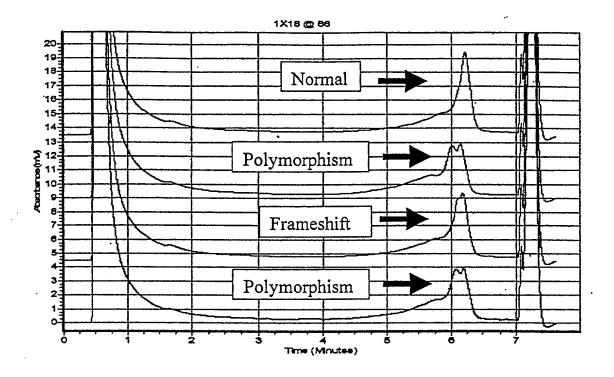


FIG 8

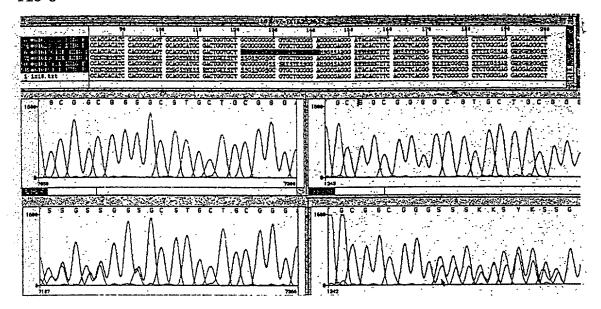
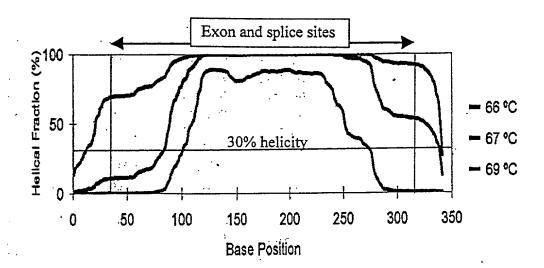


FIG 9



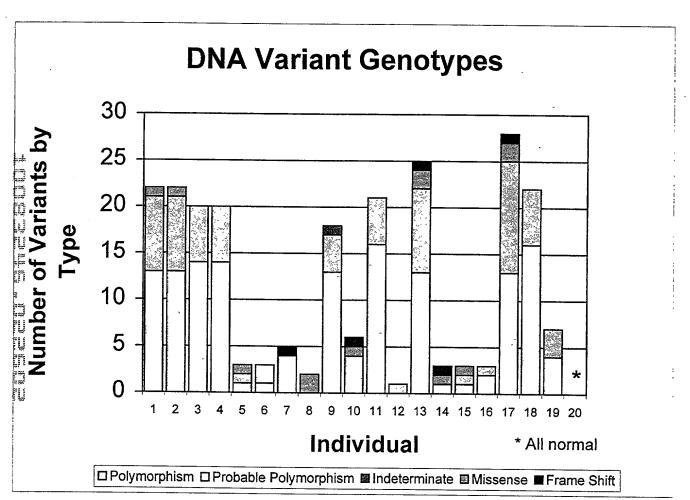


FIG 10 B

	Polymorph	Probable	Missense	Frame Shi	Indeterminat	te
1	13	8	1	0	0	22
2	13	8	1	0	0	22
3	14	6	0	0	0	20
4	14	6	0	0	0	20
5	1	1	1	0	0	3
6	1	2	0	0	0	3
7	4	0	0	1	. 0	5
8	0	0	2	0	0	2
9	13	4	0	0	1	18
10	4	0	1	1	0	6
11	16	5	0	0	0	21
12	0	1	0	0	0	1
13	13	9	2	. 1	0	25
14	1	0	1	1	0	3
15	1	1	1	0	0	3
16	2	1	0	0	0	3
17	13	12	2	. 1	0	28
18	16	6	C	0	0	22
19	4	3	C	0	0	7.
20	0	0		) 0	0	0

	Τ	<del></del>	Ampli	- Temp	PC Ret	PC	NC Ret	luc .
Gene	<u> </u>	Exon	con	Temp	Time			NC
	<del>                                     </del>	12.00	COIL		Time	Height	Time	Height
1	×	1		-				
<del>-i</del>	x	2		66	2.25-6.5	10000	1005	
1	x	2	<del> </del> -	67		0.8-3.2	2-6.5	0.9-3.6
<del>-</del>	x	3		56	0.7-5.8 4.2-6.8	0.8-3.2	0.7-5.8	1-4
1	x	1 3		57		1-4	4-6.75	1.1-4.4
<del>- i</del>	Î	4		66	3.5-6.5 2-6.8	0.7-2.8	4-6.5	1-4
1	x	4		67	1.5-6	1-4	2-6.8	0.8-3.2
1	x	5	Α	66	2.6-4.6	0.5-2.0	1.5-6	1.1-4.4
1	×	5	В	67		1.3-5.4	2.7-4.7	1.3-5.2
<del>-</del>	×	5	C	67	2-6.5	0.4-7.0	3-6.5	0.5-4.6
<del></del> -	x	5		68	3-6.5	1-4	3-6.5	1.2-4.8
1	x	6	0		1.7-5.8	0.7-2.8	2.5-5.8	1-4
1	<del> </del>	6		66	3.5-5.9	0.3-1.5	3.9-5.9	1.0-4.2
1	X	6		67	2.5-5.4	0.5-2.0	3.4-5.4	1-4.2
1	X	7		68	2.2-4.8	0.3-1.4	2.8-4.8	0.7-3.0
1	X	7		66	2.7-6.25	0.5-2.0	3-6.25	0.6-2.4
1	X	8		68	1.5-5	0.9-3.6	1.5-5	0.6-2.4
1	X			68	1.5-5	1.3-5.2	1.7-5	1-4
1	X	9	<del></del>	67	3.5-6.5	0.5-2.0	3.5-6.8	0.25-2.0
1	X	10		65	2.5-6.5	0.9-3.6	3-6.5	1.9-7.6
	X	10		67	1.5-5	1.5-6	1.5-5	2-8
1	Х	11	_ <u>A</u> _	67	1.5-6.5	0.7-2.8	2-6.5	2-8
1	X	11	<u> A</u>	68	1.5-5.5	0.8-3.2	2-5.8	1.3-5.2
1	X	11	В	66	3-6.8	1-4	3-6.8	1-4
1	X	11	В	67	2-6	1.5-6	2-6	1.2-4.8
1	X	11	C	66	4.2-6.2	1.5-6	4.2-6.2	2.5-10.2
1	X	11	С	67	3.6-5.6	1.7-7	3.6-5.6	2.3-9.2
1	X	11	С	68	2.9-4.9	1.1-4.6	2.8-4.8	1.7-6.8
1	X	12		63	4.4-6.6	0.6-2.4	4.7-6.7	1-4
1	X	12		65	2.8-4.8	0.4-1.6	2.6-5.4	0.4-1.8
1	X	13						
1	X	14		66	1.5-5.5	0.6-2.4	0.7-5.5	0.6-2.4
1	X	15	<u> </u>	67	2.5-6.5	0.8-3.2	2.5-6.5	1-4
1	X	15	<u> </u>	68	1.5-5.75	1-4	1.5-5.75	1.2-4.8
1	X	15	<u>B</u>	67	2-5.75	0.5-2.0	2.75-5.75	1-4
1	X	15	В	68	1.5-5.25	0.6-2.4	2.5-5.5	0.9-3.6
1	X	15	С	68	2-6.5	0.4-1.6	2-6.5	0.8-3.2
1	Х	15	С	69	1.5-6	0.5-2.0	1.5-6	0.75-3.0
1	Х	15	D	67	3.75-7.25	1.5-6	3.75	7.25
1	Х	15	D	68	3-6.5	1-4	3-6.5	1.2-4.8
1	Х	15	E	65	3-6.5	1-4	3-6.5	1.5-6
1	X	15	Е	66	2-6	0.8-3.2	2-6	1.3-5.2
1	Х	15	F	65	4-7	1.4-5.6	3.75-7	1.2-4.8
1	Х	15	F	66	3-6.5	1-4	3-6.5	1-4
1	Х	15	F	67	1.5-5.75	1.3-5.2	1.5-5.75	1-4
1	Х	15		66	3-6	0.8-3.2		1.1-4.4
1	x	15	G	68	1.5-4.5	1-4		1.5-6

FIG 11 Cont.

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1	X	15	H	66	1.5-5.5	1-4	1.5-5.75	1-4
1	X	15	1	66	3-7	2-8	3-7	1.8-7.2
1	X	15		67	2.5-6.5	1.5-6	2.5-6.5	1.5-6
1	X	15	J	64	4-7.5	2.2-8.8	4-7.5	2-8
1	Х	15	J	65	4-7	2-8	4-7	1.5-6
1	Х	15	J	66	3-6.5	1.5-6	2-6.5	1.1-4.4
1	Х	15	K	65	3.5-6.5	1-4	3.75-6.5	0.8-3.2
1	X	15	K	66	3-6.5	0.7-2.8	3.5-6.5	0.6-3.2
1	X	15	K	67	2-6	0.6-2.4	2-5.5	0.5-2.0
1	X	15	L					
1	X	15	М	66	4.5-7	1-4	4.5-7	1.5-6
1	X	15	М	67	4-6.75	1-4	4-6.75	1.3-5.2
1	X	15	N		1	<del>                                     </del>	1	1.0 0.2
1	X	16		67	1.5-5.5	2.25-9	2.0-5.5	3-13
1	X	17		65	2.5-6	1.5-6	2.5-6	1.75-7
1	Х	17		66	1.5-5	1.25-5	1.5-5	1.75-7
1	Х	18		66	3-6.5	2-8	3-6.5	3.25-13
1	X	18		67	4-6.4	3.8-16	4.25-6.25	
1	X	18		68	1.5-5	2.5-10	1.5-5	2.75-11
1	Х	19		67	3-6.5	1.5-6	3-6.5	3-12
1	Х	19		68	3.0-6.5	1.5-6	3-6.5	3-12
1	X	20		65	3.5-6.5	2-8	3.5-6.5	2.25-9
1	X	20		66	2.5-6	1.25-5	2.5-6	1.75-7
1	х	20		67	1.5-5.5	1.25-5	1.5-5.5	1.75-7
1	х	21		65	3-7	1.5-6	3-7	4-16
1	х	21		67	1.5-5.5	2.25-9	1.5-5.5	4.5-18
1	X	22		66	4-7.5	2-8	4-7	2-8
1	X	22		67	3-7.25	1.5-6	3.5-6.5	1.5-6
1	Х	23	Α	65	3.5-6.5	0.75-3.0	3.5-6.5	1.5-6.0
1	Х	23	Α	66	2.5-6.0	0.5-2.0	2.5-6.0	1.25-5.0
1	x	23	Α	68	1.5-4.5	2.5-10.0	1.5-4.5	2.5-10.0
1	х	23	В	63	3.5-7.25	1.5-6	3.5-7.25	1.5-6
1	X	23	В	66	1.5-6.5	0.9-3.5	1.5-6.5	1-4
1	X	23	В	67	1.25-5.5	1-4	1.25-5.5	1-4
1	X	23	С	61	3-6.25	1.5-6	3-6.25	3.25-13
1	Х	23	С	66	1.5-5	2.25-9	2.5-5	4.25-17
1	X	23	С	67	1.5-5	2.75-11	2-5	5.5-22
1	Х	24		65	2.5-6.0	0.5-2.0	2.5-6.0	0.6-3.0
1	х	25		65	2-6	0.7-4	2-6	0.7-4
1	X	25		67	1.5-4.5	2-8	1.5-4.5	2-8
1	Х	26		64	2.5-6	0.9-3.6	2.5-6	0.9-3.6
1	Х	26		66	1.5-4.5	1.75-7	1.5-4.5	1.75-7
1	х	27		65	3.5-6.7	1.5-6	3.5-6.7	1.5-6
1	Х	27		66	2.5-6	2-8	2-5.7	1.25-5
1	X	28		66	1.5-5.75	1-4	1.5-5.75	1.25-5
1	X	29		65	1.5-6.25	1.5-6	1.5-6.25	3-12
1	×	29		66	1.5-5.25	1.5-6	<del> </del>	2.5-8.5
1	X	30			1.0 0.20	1	1,0-0.20	2.0-0.0
					<u> </u>	L		1

FIG 11 Cont.

	·		·					
1	Х	31		66	3-6.5	2.5-10	3-6.5	1-4
1	X	31		68	1.5-5.5	1.5-6	1.5-5.5	0.5-2
1	X	32		62	2-6.5	1.25-5.0	2-6.5	3.5-14
1	X	33		64	4.2-6.2	1.4-6	4.3-6.3	1.5-6
1	X	33		67	2.5-4.7	0.8-3.5	2.7-4.7	1.2-4.8
1	X	34	<u> </u>					
1	X	34						
1	X	35		64	4.3-6.6	1.4-5.5	4.5-6.5	2.4-9.5
1	×	35		66	2.6-5.1	1.1-4.4	3.1-5.1	1.75-7
1	X	36		66	3.3-5.7	0.5-2.0	3.6-5.6	1-4
1	X	36		67	2.7-5.1	0.6-2.5	3.1-5.1	1.1-4.4
1	X	37		64	3-5.75	0.65-2.6	3.7-5.7	1.1-4.5
1	X	37		66	2-4.75	0.9-3.6	2.7-4.7	1-4
1	X	38		65	3.5-6.5	1.1-4.5	4.3-6.3	1.6-6.5
1	X	38		66	3-5.75	0.7-3.0	3.5-5.5	1-4
1	Х	39		66	1.5-4.5	1.1-4.6	2-4.6	1.25-3.0
1	Х	39		67	1.5-4	1.25-3.0	1.5-4	0.7-3.0
1	Х	40		66	1.5-5.5	0.6-2.5	3.25-5.25	0.7-3.0
1	Х	41		67	2.5-5.75	0.9-3.6	3.75-5.75	1.1-4.4
1	Х	42		70	2.75-5.75	0.5-2.0	3-5.8	0.3-1.2
1	Х	42		71	2.5-4.5	0.7-3.0	2.6-4.6	0.6-2.4
1	X	43		67	4-6.75	0.4-1.6	4-6.75	0.6-2.4
1	X	43		68	3.75-6.5	0.4-1.6	3.75-6.5	0.6-2.4
1	X	43		70	2.25-5.25	0.25-2	2.25-5.25	0.6-2.4
1	X	44		66	3.25-5.75	0.5-2.0	3.7-5.7	0.8-3.2
1	Х	45		65	3.5-6.25	0.4-1.6	4.1-6.1	0.9-3.6
1	X	45		66	2.5-5.5	0.4-1.6	3.5-5.5	0.8-3.2
1	X	46	Α	66	4.25-6.5	0.4-1.6	4.4-6.4	0.8-3.2
1	Х	46	Α	67	3.25-5.25	0.3-1.2	3.5-5.5	0.5-2.0
1	X	46	В	65	4-6.75	1-4	4-6.75	1.2-4.8
1	X	46	В	68	1.75-4.75	1.3-5.2	1.75-4.75	1.5-6
2	Х	1	Α	70	3-6	1.5-6	3-6	1-4
2	X	1	Α	71	2-5.75	0.6-2.4	2-5.75	0.9-3.6
2	X	1	<u>A</u>	72	1.5-5.25	0.5-3.0	1.5-5.25	0.5-2
2	X	1	<u>B</u>	67	2.5-6.5	0.6-2.5	2.5-6.5	0.6-2.5
2	Х	1	В	70	1.5-4.5	0.7-3	1.5-4.5	1-4
2	X	1	<u>B</u>	71	1-4	0.5-2	1-4	0.7-3
2	Х	1	С	69	2.5-6.5	1.25-5	2.5-6.5	1-4
2	X	1	С	70	1.5-6.5	0.8-2.5	1.5-6.5	0.8-3.5
2	X	1	С	71	1.5-5.75	0.8-3.5	1.5-5.75	0.8-3.5
2	X	2		58	2.5-4.5	1.2-5.0	3.2-5.2	1.4-5.6
2	X	3		58	4.7-6.9	2.9-11.6	4.9-6.9	3.5-14
2	X	3		59	4.4-6.9	2.1-8.4	4.7-6.7	2.0-8.0
2	X	3		60	3.5-6.1	1.3-5.2	3.9-5.9	1.6-6.4
2	X	4	·	60	3.4-6.1	1.7-7.0	4.1-6.1	0.9-3.8
2	X	5		58	4.5-6.5	2.3-9.2		2.3-9.4
2	X	5		59	3.9-6.2	1.6-6.6		1.7-6.8
2	X	6		57	1.5-6.25	1.5-6		2-8
2	×	7		53	3.4-6.6	1.2-5.0	3.3-6.6	1.0-4.0

FIG 11 Cont.

2	X	7	56	2.5-4.5	2.5-10.2	2.6-5.2	1.1-4.4
2	Х	8	54	3.7-6.2	1.5-6	3.7-6.2	5.5-22
2	Х	8	58	3-6	0.8-3.2	2.5-6	4-16
2	Х	9	54	3-6.5	0.5-2.0	3.5-6.5	1-4
2	X	9	57	1.5-4.75	0.5-2	1.5-4.75	0.5-2.0
2	Х	10					
2	Х	10					
2	X	11	58	2.5-6.75	2.3-9.2	2.5-6.75	2-8
2	X	11	59	1.75-6.5	1.5-6	1.5-6.5	1-4
2	X	12	60	1.5-5.75	0.7-2.8	1.5-5.5	0.8-3.2
2	X	13	60	3-6.2	1.2-4.8	4.2-6.2	1.2-5
2	Х	13	61	2.5-5.5	1.2-5	2.5-5.5	0.9-4.0
2	Х	14	63	2.5-4.5	1.1-4.4	3.2-5.2	2.5-10.0
2	X	15	60	2-6.5	0.9-3.6	2-6.5	1-4
2	Х	15	61	1.5-6	1.3-5.2	1.5-6	1.5-6

Verified			Ampil-	Long	Mg	DMSO			Initial	initial	*	Cycle	Cycle		Γ'''_			Final	Final	LR			Ampl⊢	TC	Plate
Ву		Exon	con	Range			Anneal		Denatur	Denature	Cycles	Denatur	Denatur			Ext	Ext	Ext	Ext	Dilution		Exen	con	condition	set
a de la formación de	SHIESZE N	ShiSFa	(Shippi)	PCR	4.5	7.50%	Temp	###*	Temp	Time 10 min	talin Wile	Temp	Time	Temp	Time	Temp	Time	Temp	Time	38 2 A-4	****	Alesta Sale	Lucia, Jro	notarna aran	suscense a dec
	82 546	HERRY V	N. W. W. W.	william I Ben	×F.5	9.50%	1 7º 00 %	<b>张励</b> 图:	a	TAU MARE	35	- 04	20 sec	.∓ 60 ∰×	20 sec	47 <b>2</b> 0	45 sec	72	5 mig	10%	, squar	18 T. 1955	wdgErski		
	18	12		L3	1.5	0	55		94	10 min	35	94	30 sec	55	30 sec	72	30 sec	72	10 min	-5	16	12		2	2
1	2	2		L2	1	0%	61		94	10 min	35	94	30 sec	61	30 sec	72	30 sec	72	10 min	-5	2	2		3	3A
	4	4		1.2	1	7.50%	61		94	10 min	35	94	30 sec	61	30 sec	72	30 sec	72	10 min	-5	4	_4		3	ЗА
	5	5	A	1.2	1	7.50%	81		94	10 min	35_	94	30 sec	61	30 sec	72	30 sec	72	10 min	-5	5	5	A	3	3A
<u> </u>	B		В	12	1	7.50%	61	-	94	10 min	35	94	30 sec	61	30 sec	72	30 sec	72	10 min	-5	8		В	3	3A
	8	6	C	12	1	7.50%	61	-	94 94	10 min	35 35	94	30 sec	61 61	30 sec	72	30 sec	72 72	10 min	-5 -5	8	6	C	3	3A 3A
	10	8		L3	1.5	0	61	-	94	10 min	35	94	30 sec	61	30 sec	72	30 sec	72	10 min	-5	10	8	-	3	38
<b>——</b>	11	9		L3	1.5	0	61		94	10 min	35	94	30 sec	81	30 sec	72	30 sec	72	10 min	-5	11	9		3	3B
	12	10		L3	1.5	0	61		94	10 min	35	94	30 sec	61	30 sec	72	30 sec	72	10 min	-5	12	10		3	38
	15		C	L3	1.5	0	61		94	10 min	35	94	30 sec	61	30 sec	72	30 sec	72	10 min	-5	15		o	3	3B
<b></b>	9	7		12	1.5	7.50%	61	-	94	10 min	35	94	30 sec	81	30 sec	72	30 sec	72	10 min	-5	9	7		3	3B
<u> </u>	3	3		<u>L2</u>	2	7.50%	61		94	10 min	35	94	30 sec	61	30 sec	72	30 sec	72	10 min	-5	3	3		3	3B
	17	13		L4 L4	1.5	7.50%	62	-	94 94	10 min 10 min	35	94	20 sec	62	30 sec	72	45 sec	72 72	10 min 10 min	-5 -5	17	13		4	4A 4A
ļ	13	11	Ā	L3	1.5	0	70	-	94	10 min	35	84	30 sec	70	30 sec	72	30 sec	72	10 min	-5	13	11	A	5	5A
<del> </del>	14	<del></del>	B	L3	1.5	ő	70		94	10 min	35	94	30 sec	70	30 sec	72		72	10 min	-5	14	<del></del>	B	5	5A
																								<u> </u>	
	19	15	A	L4	1.5	0	62		94	10 min	35	94	20 sec	62	20 sec	72	45 sec	72	5 min	10-4	19	15	A	_ 6	8A
	20		В	L4	1.5	0	62		94	10 min	35	94	20 sec	62	20 sec	72	45 sec	72	5 min	10-4	20		В	6	6A
	21		U	L4	1.5	0	82		94	10 min	35	94	20 sec	62	20 sec	72	45 sec	72	5 min	10-4	21		U	6	6A
	22		٥	L4	1.5	0	62		94	10 min	35	94	20 sec	62	20 sec	72	45 sec	72	5 min	10-4	22		٥	- 6	6A
	23		E	L4	1.5	0	62		94	10 min	35	94	20 sec	62	20 sec		45 sec	72		10-4	23		E	8	6A
	24		F	L4	1.5	0	62	<u> </u>	94	10 min	35	94	20 sec	62	20 sec	72	45 sec	72	5 min	10-4	24		F	6	6A
	25		G	L4	1.5	0	62	ļ	94	10 min	35	94	20 sec	62	20 sec	72	45 sec	72	5 min	10-4	25		G	6	68
	26		H	14	1.5	0	62	ļ	94	10 min	35	94	20 sec	62	20 sec		45 sec	72	5 min		26	<u> </u>	Ŧ	8	68
L	27	L		L4	1.5	0	82	<u> </u>	94	10 min	35	94	20 sec	62	20 sec	72	45 sec	72	5 min		27			6	68
	28		1	L4	1.5	0	82	ļ	94	10 min	35	94	20 sec	62	20 sec	72	45 sec	72		10-4	28		J	6	68
<u> </u>	29		K	<u>L4</u>	1.5	0	62		94	10 min	35	94	20 sec	62	20 sec	72	45 sec	72	5 min		29		K	6	68
	32		N	L5	1.5		62	<u> </u>	94	10 min	35	94	20 sec	62	20 sec	72	45 sec	72		10-4	32		N	6	6B
4.4	31	-	W	Genomi	1.5	0 500	68	┼	94 94	10 min	35	94	20 sec	68	20 sec	72	45 sec	72 72		100 ng	31		M	$\frac{7}{7}$	7A 7A
₫ <del>1</del> —	30		<u> </u>	14	1.5	2.50%	1-00	┼		10 min	35	94	20 sec	68	20 sec	72	45 sec	12	5 min	10	30	-	<u> </u>	<del>- ′</del>	<del>  '^-</del>
-	33	16		L5	1.5	0	60	<del> </del>	94	10 min	35	94	20 sec	60	30 sec	60	40 sec	72	10 min	-4	33	16	-	8	8A
£#	40	23	A	L7	1.5	0	62		94	10 min	35	94	20 sec	62	30 sec		40 sec	72	10 min	-4	40	23	A	9	9A
	41		В	L7	1.5	0	82		94	10 min	35	94	20 sec	62	30 sec	72	40 sec	72	10 min	-4	41		В	9	9A
7	42		C	L7	1.5	0	62		94	10 min	35	94	20 sec	62	30 sec		40 sec	72	10 min	-4	42		C	9	9A
<b>*</b>	43		ļ	L7	1.5	- 0	62	├	94	10 min	35	94	20 sec	62	30 sec		40 sec	72	10 min		43	24		8	9A
2 PS	44	25	├	L7	1.5	0	62	├	94	10 min	35	94	20 sec	62	30 sec	72	40 sec	72	10 min	-4	44	25		9	9A 9A
-	45	26		L7	1.5	0	62	├	94	10 min	35	94	20 sec	82	30 sec	72	40 sec	72	10 min	-4	46	26	<del></del>	9	SA AB
4	35		<del>                                     </del>	L5	1.5	0	64	_	94	10 min	35	94	20 sec	64	30 sec		40 sec	72	10 min	-4	35	18		10	10A
*	37	20		L5	1.5	0	64	<del>                                     </del>	94	10 min	35	94	20 sec	64	30 sec		40 sec	72	10 min	-4	37	20		10	10A
-	47	28		L7	1.5	0	64		94	10 min	35	94	20 sec	64	30 sec	64	40 sec	72	10 min	-4	47	28		10	10A
12 2	48	29		L8	1.5	0	84		94	10 min	35	94	20 sec	64	30 sec	64	40 sec	72	10 min		48	29		10	10A
	39		L	L6	1.5	0	84	ļ	94	10 min	35	94	20 sec	64	30 sec		40 sec	72	10 min	-4	39	22		10	10A
<b>F</b>	34	17	<b> </b>	L5 L5	1.5	- 0	67	<del> </del>	94	10 min	35	94	20 sec	67	30 sec	67	40 sec	72	10 min	4	34	17		11	11A 11A
1 1	36	19	├	L5	1.5	1 0	69	-	94	10 min 10 min	35	94	20 sec	67	30 sec	72	40 sec	72	10 min	4	38	19	-	12	12A
<b>7</b>	49	30	<del>                                     </del>	LB	1.5	-	72	<del>                                     </del>	94	10 min	35	94	20 sec	72	30 sec		40 sec	72	10 min		49	30		13	13A
,	1 7 7	<u> </u>	<del>                                     </del>		1	) <u> </u>	<del>                                     </del>	1		7- 111	<del>  ~~</del>	<del></del>	1 2000	<del></del> -	1	<del> </del> -	12250	<del> </del> -	1	<u> </u>	Ť	<u> </u>	<del>                                     </del>	1 "	;
-	53	33		L8	1.5	7.50%	58	_	95	10 min	35	94	20 sec	58	30 sec	72	45 sec	72	10 min	:10-5	53	33		14	14A
	54			L8	1.5	7.50%	58		95	10 min	35	94	20 sec	58	30 sec	72	45 sec	72	10 min	:10 -4	54	34		14	14A
,	54	35				7.50%	58		95	10 min	35	94	20 sec	58	30 sec		45 sec		10 min		54	35		14	14A
<u> </u>	61					7.50%		<del>}</del>	95	10 min_	35	94	20 sec	58	30 sec		45 sec		10 min		61	42	ļ	14	14A
<b> </b>	59 64			<del></del>	1.5		58 58	<del> </del> -	95	10 min	35	94	20 sec	58 58	30 sec		45 sec		10 min		64		<del> </del>	14	14A
<del> </del>	62	_	-	<del>                                     </del>		7.50%		<del>                                     </del>	95	10 min	35	94	20 sec	62	30 sec		45 sec		10 min		82	45	<del> </del>	15	15A
	56		<b> </b>	<b> </b>		7.50%		<del>                                     </del>	95	10 min	35	94	20 sec	82	30 sec		45 sec		10 min		58	37	<del>                                     </del>	15	15A
	58					7.50%		L	95	10 min	35	94	20 sec	62	30 sec				10 min		58	39		15	15A
	60	41				7.50%			95	10 min	35	94	20 sec	62	30 sec	72	45 sec	72	10 min	NA	60	41		15	15A
	63			<u> </u>		7.50%		-	95	10 min	35	94	20 sec	62	30 sec		45 sec		10 min		63	44		15	15A
<u> </u>	65		<b> </b>	L8		7.50%			95	10 min	35	94	20 sec	62	30 sec				10 min		65	46	<u> </u>	15	15B
-	51			L8	1.5		62	<del>  -</del>	95	10 min	35	94	20 sec	62 62	30 sec		45 sec		10 min	:10 -5		31	<del></del>	15 15	15B 15B
<b>———</b>	55		_	<del></del> -	1.5		62	$\vdash$	95	10 min	35	94	20 sec		30 sec		45 sec				55	38	<del>                                     </del>	15	158
	57				1.5		82	T-	95	10 min	35	94	20 sec	62	30 sec		45 sec		10 min		57			15	15B

FIG 12 Cont.

14 15 1							<u> </u>	<del>-  </del>	<del>.  </del>	<b>!</b>	<u> </u>	<u> </u>							نحيبا					┺
Varified			Amp#-	Long	Mg	DMSO		Init		#	Cycle	Cycle					Final	Final	LR			Ampli-		
Ву		Exon	con	Range			Anneal	Den		Cycles		Denatur			Ext	Ext	Ext		Dilution		Exon	COU		
	_		ļ	PCR	ļ		Temp	Tel	np Time	↓	Temp	Time	Temp	Time	Temp	Time	Temp	Time				L		1
							لسيسا				Ļ	<b></b>												ì
	66	1			1.1		72	9		35	95	45 sec	72	2mln	72	1 min	72	10 min	NA.	66	1_1_	_ ^_	16	1BA
	68		C		1.1	5%	72	9		35	95	45 sec	72	2min	72	1 min	72	10 min	NA	68		С	18	16A
	67		8		1.1	7.50%	74	9	10 min	35	95	45 sec	74	2ຄາເດ	74	1 min	74	10 mln	NA	67		В	17	17A
	73	•			2	0	50	9	10 min	35	92	40 sec	50	40 sec	72	40 sec	72	10 min	NA	73	6		18	184
	75	8			2	0	50	9	10 min	35	92	40 sec	50	40 sec	72	40 sec	72	10 min	NA	75	8		18	184
	78	9			2		50	9	10 min	35	92	40 sec	50	40 sec	72	40 sec	72	10 min	NA	76	9		18	184
	79	12			2	0	50	8	10 min	35	92	40 sec	50	40 sec	72	40 sec	72	10 min	NA	79	12		18	184
	70	3			1.5	5%	55	9	_	35	92	40 sec	55	40 sec		40 sec		10 min		70	3		_19	194
	71	4			1.5	5%	55	9	10 min	35	92	40 sec	55	40 sec	72	40 sec	72	10 min	NA	71	4		19	194
	72	5			1.5	5%	55	. 9		35	92	40 sec	55	40 sec	72	40 sec	72	10 min	NA	72	5		19	19/
	74	7			1.5	5%	55	9	10 min	35	92	40 sec	55	40 sec	72	40 sec	72	10 min	NA	74	7		19	194
	77	10			1.5	5%	55	9	10 min	35	92	40 sec	55	40 sec	72	40 sec	72	10 min	NA	77	10	T	18	19/
	78	11			1.5	5%	55	9	10 min	35	92	40 sec	55	40 sec	72	40 sec	72	10 min	NA	78	11		19	194
	80	13			1.5	5%	55	9	10 min	35	92	40 sec	55	40 sec	72	40 sec	72	10 min	NA	80	13		19	19/
	82	15			1.5	5%	55	9	10 min	35	92	40 sec	55	40 sec	72	40 sec	72	10 min	NA	82	15		19	19/
	69	2			2	0	58	9	10 min	35	92	40 sec	58	40 sec	72	40 sec	72	10 min	NA.	69	2		20	20/
	81	14			2	0	62	9	10 min	35	92	40 sec	62	40 sec	72	40 sec	72	10 min	NA	81	14	T	21	21A

